MediaMatrix®
CONTROLMATRIX® II

FULLY INTEGRATED, IP-BASED AUDIO AND VISUAL PAGING MANAGEMENT

ControlMatrix® II is a comprehensive, industrial paging solution seamlessly integrated with MediaMatrix® NION®. Built on the stability of a robust, mission-critical paging controller, ControlMatrix II provides powerful, versatile & efficient paging functionality for the most demanding applications.

A powerful feature set that includes dynamic priority group paging, message scheduling, text-to-speech conversion, ADA signage support, redundant operation and integrated supervisory technology provide stable, reliable performance for critical applications.

Built on an open-architecture, network-based transport model designed to maximize infrastructure and minimize proprietary cabling, ControlMatrix II provides flexible connectivity options with support for CobraNet® audio networks, standard Ethernet and serial data systems.

ControlMatrix II systems have been installed in world-class transportation facilities worldwide. The open-ended architecture makes ControlMatrix II an excellent solution for integration within transportation system infrastructure. Integrated software and extensive options for transporting audio, control and data make ControlMatrix II perfect for terminal buildings, ticketing lobbies and boarding areas. Interface to ADA-compliant signage systems, serial and TCP/IP-driven control systems is integral without invasive requirements for additional hardware.

A wide range of hardware options provide a simple and efficient design model. Full-featured microphone paging stations with high-quality audio electronics and intuitive controls are available for routine paging and administrative locations. Additional control is available with integrated, configurable remote panels. Both stations and control panels are supported by an extremely stable redundant power supply designed for mission-critical applications.

ControlMatrix II for Windows represents the next generation in high-end paging communications. The world-class performance and proven reliability of MediaMatrix audio products is behind every ControlMatrix II system. With the full resources, technical support and product development that has made MediaMatrix the first choice of the world's best audio designers, ControlMatrix II is making the best audio systems even better.

FEATURES AND CAPABILITIES

CONTROLMATRIX® II SOFTWARE

ControlMatrix II is the next-generation paging product from MediaMatrix. ControlMatrix II Host is the extremely powerful paging control hardware system for MediaMatrix digital audio systems, and can be designed as either a centralized, distributed or hybrid system. The new ControlMatrix II supports up to 16 stations per host, and the number of hosts can be scaled according to the total number of stations needed.

All current MediaMatrix paging station hardware (PCU ControlMatrix® II and

PM PageMatrix) are fully supported, plus selected third-party page station support.

ControlMatrix II is designed for transportation, convention, theme park and industrial paging applications. Based on an embedded host controller, it provides complete system management for multiple live, pre-recorded, and dynamic delay, stack, store and forward messaging and paging functions. With support for hundreds of remote paging stations, ControlMatrix II includes high-level network interface for all types of third-party control and data systems.
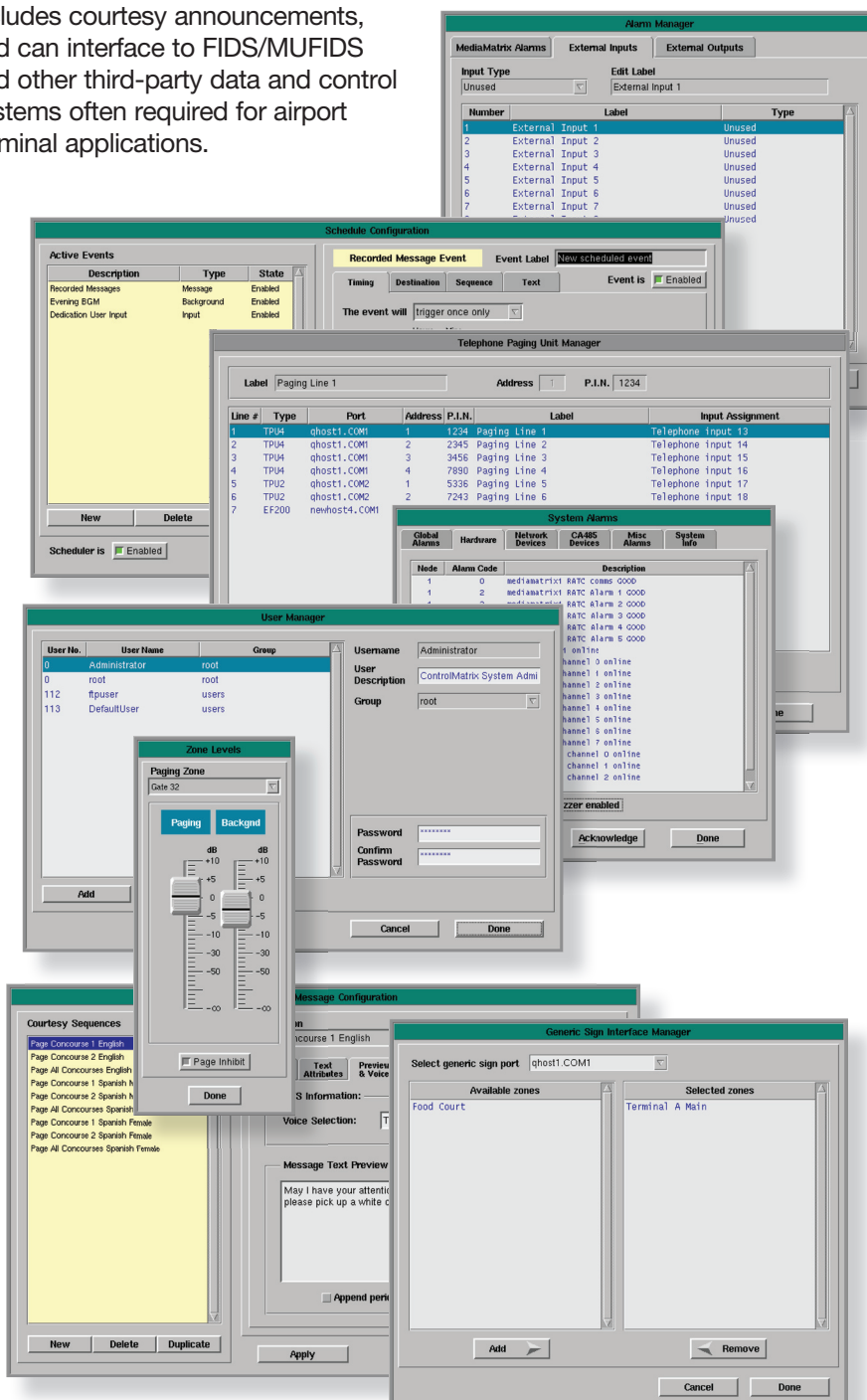
CONTROLMATRIX II FEATURES INCLUDE:

- **Optional 8x8 analog and 16x16 CobraNet cards**
- **Host redundancy configuration**
- **TTS (Text-to-Speech) engine (with English as standard language – other languages available)**
- **Recording and playback of .wav and mp3 media files**
- **Monitoring and control of network devices**
- **Voice-activated paging routing**
- **Independent paging and program zone configurations**
- **Customizable telephone prompt tree with six initial templates**
- **999 messaging priority levels**
- **Privacy mode for suppression of lower priority pages in each zone**
- **Importing and recording of scheduled messages**

Seamless integration with MediaMatrix NWare software provides even more power, and multiple combinations of system architecture are possible for supporting hundreds or audio inputs and outputs.

ControlMatrix II Host also supports ADA standards for visual messaging, includes courtesy announcements, and can interface to FIDS/MUFIDS and other third-party data and control systems often required for airport terminal applications.

AIRPORTS	THEME PARKS
TRANSPORTATION CENTERS	HOSPITALS
STADIUMS AND SPORTS COMPLEXES	CASINOS
CONVENTION CENTERS	CRUISE SHIPS
EDUCATIONAL & CORPORATE CAMPUSES	GOVERNMENT FACILITIES
MANUFACTURING FACILITIES	MILITARY BASES

CONTROLMATRIX® II HOST

The MediaMatrix® ControlMatrix® II Host features our new fully integrated ControlMatrix II operating system. One ControlMatrix II Host provides connectivity for up to 16 paging stations and integrates Courtesy Announcements, Store and forward paging, Signage, and Text-to-Speech. Multiple units can be interfaced for situations requiring more than 16 stations. Multiple units can be installed in a distributed, centralized, or hybrid system configuration.

PLEASE NOTE: ControlMatrix II for Windows is NOT COMPATIBLE with older Q-Host, A-Host, and C-Host units.

- **Completely integrated solution to paging**
- **Distributed, centralized, and hybrid system configurations are possible**
- **Each ControlMatrix II Host supports up to 16 paging stations**
- **Text-to-Speech in many languages available; one language comes standard**

- **Redundant power supplies (requires two line cords)**
- **Redundant disk drives (Two drive RAID array)**
- **Analog and/or CobraNet audio I/O available**

- **Seamless telephone paging support w/ voice driven user prompts**
- **Optional "store and forward" paging operation for zone management and maximum audio performance**

CMA-PM AGGREGATOR

The primary purpose of the CMA-PM Aggregator is to provide connectivity for up to four PageMatrix paging stations to the new ControlMatrix for Windows (ControlMatrix Host) product. Connectivity to the paging stations is done via the PageMatrix standard. Connectivity to the ControlMatrix Host product is via Ethernet and analog audio (as separate connections).

THE PEAVEY DMG-5V GOOSENECK DESKTOP MICROPHONE

The Peavey DMG-5V Gooseneck Desktop Microphone delivers all of the professional features needed for conference tables, meeting rooms, paging, and more. The flexible dual capsule design provides continuously-variable pickup patterns for a wide variety of applications. From Omni-directional, to super-cardioid, to figure-8 pattern, all are available by simply adjusting the pattern contour control in the base. The DMG-5V is also immune to radio-frequency (RF). The integrated desk stand includes a programmable switch, allowing use as either a push to talk or push to mute (cough mute) microphone. The base features a 3-pin XLR connector, or internal Euro-connectors for permanent installations.

MEDIAMATRIX® DIGITAL PAGING STATIONS

CM2-APS, CM2-10D, AND RMP-2

The MediaMatrix® CM2-APS, CM2-10d and RMP-2 paging stations interface with the ControlMatrix® II integrated hardware and software paging platform over Ethernet, providing designers and integrators with a convenient method of adding paging stations to their projects with a single network connection.

Peavey ControlMatrix Series paging systems are installed worldwide in transportation terminals, sporting facilities and entertainment venues, and the addition of these new digital paging stations make installation of ControlMatrix systems easier than ever.

The MediaMatrix CM2-APS is a rack-mounted, networkable administrator paging station that connects directly to a CobraNet® network for all audio, control and power connections through a single Ethernet network cable and a standard 8P8C modular connector (RJ-45). The CM2-APS includes a handheld dynamic microphone with a PTT (Push-To-Talk)

switch, and an internal 5-watt power amplifier with front-panel level control that drives an integrated loudspeaker to allow page monitoring. A high-quality microphone preamplifier and analog-to-digital converter transform the audio for the digital space.

The steel front panel of the CM2-APS is designed for rack-mount applications where an administrator paging station is required in control rooms, terminal gear areas, IDFs or network operation centers. The CMS-APS will operate on either PoE (Power over Ethernet) technology or DC low voltage power (local or remote).

The MediaMatrix CM2-10d gooseneck mic paging station features a high-quality microphone preamplifier, and a built-in analog-to-digital converter. All connections to the CM2-10d are accomplished through a single Ethernet network cable. Power is via PoE (Power over Ethernet) technology and local or remote DC low voltage power. The high-impact ABS

cabinet design allows the CM2-10d to be used on desktops, surface mounted on vertical surfaces or flush mounted using an optional steel backing box with a handheld dynamic microphone with a PTT (Push-To-Talk) switch.

The RMP-2 is a flush-mounted remote mic station that extends paging functions to a second location in areas such as airport jetways and train station loading platforms. The RMP-2 is powered by a "host" ControlMatrix digital paging station, such as the CM2-10d, via a single Ethernet-type connection. The RMP-2 allows the remote user to page to the last zone selected at its host paging station, or to default to the local zone to which it is assigned. A status LED on the front panel alerts the user when the host paging station is in use. The RMP-2 is housed in a durable 16-gauge steel front panel which mounts in a standard two-gang NEMA enclosure.

Commercial Audio